

RECEIVED
CENTRAL FAX CENTER

FEB 13 2006

OFFICIAL

CARDINAL LAW GROUP

1603 Orrington Avenue/Suite 2000
Evanston, Illinois 60201
Telephone 847 - 905 - 7111
Facsimile 847 - 905 - 7113

Date: FEBRUARY 13, 2006

To: EXAMINER PHU, SANH D.
U.S. PATENT AND TRADEMARK OFFICE

Fax #: (571) 273-8300

From: FRANK C. NICHOLAS
Phone #: (847) 424-2521

Client/Matter No.: FR000029 (7790/353)

of Pages: 20

(including cover sheet)

IF YOU HAVE ANY PROBLEMS RECEIVING THIS MESSAGE, PLEASE CALL 847/905-7111, Ext. 112 AND ASK FOR JENNIFER CRUZ

THIS MESSAGE IS INTENDED ONLY FOR THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED. IT MAY CONTAIN PRIVILEGED, CONFIDENTIAL, ATTORNEY WORK PRODUCT, OR TRADE SECRET INFORMATION WHICH IS EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAWS. IF YOU ARE NOT THE INTENDED RECIPIENT, OR AN EMPLOYEE OR AGENT RESPONSIBLE FOR DELIVERING THE MESSAGE TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION, OR COPYING OF THIS MESSAGE IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS MESSAGE IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN THE ORIGINAL MESSAGE (AND ALL COPIES) TO US BY MAIL AT THE ABOVE ADDRESS. WE WILL REIMBURSE YOU FOR POSTAGE.

**RECEIVED
CENTRAL FAX CENTER**

FEB-13-06 03:06PM FROM-CLG FAX

FEB 13 2006

+18479057113

T-179 P.02

F-394

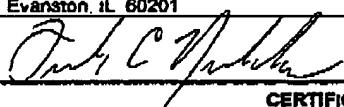

USPTO Form 1 (Rev. 11/97). Approved for use through 4/2003. One 0001/0001 - Patent and Trademark Office - U.S. DEPARTMENT OF COMMERCE. Under the Paper Reduction Act of 1996, no person is required to respond to a collection of information unless it displays a valid OMB control number.

<p align="center">TRANSMITTAL FORM</p> <p align="center"><small>(to be used for all correspondence after initial filing)</small></p>	Attorney Docket No.	FR000029 (7790/353)
	Application Number	09/817,086
	Filing Date	MARCH 26, 2001
	First Named Inventor	JEAN-MICHEL SIMON
	Group Art Unit	2682
	Examiner	PHU, SANH D.

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Amendment <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declarations(s) <input type="checkbox"/> Status Letter <input type="checkbox"/> Petition for Extension of Time Request (duplic) <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement, PTO-1449, an <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawings. <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> To Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request of Refund	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input checked="" type="checkbox"/> Amended Appeal Brief (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Post Card Receipt <input type="checkbox"/> Additional Enclosure(s) (please identify below) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account No. <u>50-1713</u> . A duplicate copy of this sheet is enclosed.		
<input checked="" type="checkbox"/> I hereby petition under 37 CFR § 1.136(a) for any extension of time required to ensure that this paper is timely filed. Please charge any associated fees which have not otherwise been paid to Deposit Account No. <u>50-1713</u> . A duplicate copy of this sheet is enclosed.		

CALCULATION OF FEE

				Small Entry		Large Entry			
	Claims After Amendment		Highest No Previously Paid For	Present Extra	Rate	Add'l Fee	or	Rate	Add'l Fee
Total		Minus		0	x \$25=	0		x \$50=	
Indep.		Minus		0	x \$100=	0		x \$200=	
First Presentation of Multiple Dep. Claim					x \$180=	-		x \$360=	
					total add'l fee	\$ 0		total add'l fee	\$

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm or Individual name	FRANK C NICHOLAS Registration No. 33,983 CARDINAL LAW GROUP 1603 Orrington Avenue, Suite 2000 Evanston, IL 60201		
Signature		Date	February 13, 2006
CERTIFICATE OF FACSIMILE			
I hereby certify that this correspondence is being transmitted by facsimile to (571) 273-8300 to the United States Patent and Trademark Office on this date			
			February 13, 2006
Signature		Date: February 13, 2006	
FRANK C. NICHOLAS(33,983)			

FEB 13 2006

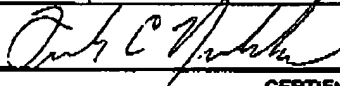

*10/2002 (CMT), applied for use through 03/01/01. One 065-0001 Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE
Under the Patent Trademark Act of 1980, no patents are required to respond to a collection of information unless it displays a valid data collection number.

TRANSMITTAL FORM <small>(To be used for all correspondence after initial filing)</small>	Attorney Docket No.	FR000029 (7790/353)
	Application Number	09/817,086
	Filing Date	MARCH 26, 2001
	First Named Inventor	JEAN-MICHEL SIMON
	Group Art Unit	2882
	Examiner	PHU, SANH D.

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Amendment <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Status Letter <input type="checkbox"/> Petition for Extension of Time Request (duplc) <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement, PTO-1449, att <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawings: <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> To Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request of Refund	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input checked="" type="checkbox"/> Amended Appeal Brief (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Post Card Receipt <input type="checkbox"/> Additional Enclosure(s) (please identify below): <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>
<input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account No. 50-1713. A duplicate copy of this sheet is enclosed.		
<input checked="" type="checkbox"/> I hereby petition under 37 CFR § 1.136(a) for any extension of time required to ensure that this paper is timely filed. Please charge any associated fees which have not otherwise been paid to Deposit Account No. 50-1713. A duplicate copy of this sheet is enclosed.		

CALCULATION OF FEE

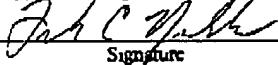
				Small Entity		Large Entity		
	Claims After Amendment		Highest No. Previously Paid For	Present Extra	Rate	Add'l Fee	Rate	Add'l Fee
Total		Minus		0	x \$25=	0	x \$50=	
Indep		Minus		0	x \$100=	0	x \$200=	
First Presentation of Multiple Dep. Claim					+ \$180=	—	+ \$360=	
					total add'l fee	\$ 0	total add'l fee	\$

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm or Individual name	FRANK C. NICHOLAS Registration No. 33,983 CARDINAL LAW GROUP 1603 Orrington Avenue, Suite 2000 Evanston, IL 60201		
Signature		Date	February 13, 2006
CERTIFICATE OF FACSIMILE			
I hereby certify that this correspondence is being transmitted by facsimile to (571) 273-8300 to the United States Patent and Trademark Office on this date: February 13, 2006			
Signature		Date:	February 13, 2006
FRANK C. NICHOLAS (33,983)			

Certificate of Facsimile
I hereby certify that this correspondence is being
transmitted by facsimile to (571) 273-8300 to the U.S.
Patent and Trademark Office February 13, 2006
(Date of Deposit)

RECEIVED
CENTRAL FAX CENTER

FEB 13 2006

FRANK C NICHOLAS (33,983)
Name of Appellant, assignee or registered representative

Signature
February 13, 2006
Date of Signature

PATENT
Case No. FR 000029
(7790/353)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES**

In re patent application of:)	
)	
JEAN-MICHEL SIMON)	
)	Examiner: PHU, SANH D.
Serial No.: 09/817,086)	
)	Group Art Unit: 2682
Filed: MARCH 26, 2001)	
)	
For: APPARATUS COMPRISING A)	
STORAGE DEVICE FOR STORING)	
PERFORMANCE DATA AND)	
METHOD OF UPDATING THIS)	
STORAGE DEVICE)	

AMENDED APPEAL BRIEF

Mail Stop Appeal Brief - Patents
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Appellant herewith respectfully presents an Amended Brief on Appeal in response
to the Notification of Non-Compliant Appeal Brief as follows:

February 13, 2006
Case No. FR 000029 (7790/353)
Serial No.: 09/817,086
Filed: March 26, 2001
Page 2 of 17

TABLE OF CONTENTS

	<u>Page</u>
1. REAL PARTY IN INTEREST.....	3
2. RELATED APPEALS AND INTERFERENCES.....	4
3. STATUS OF CLAIMS.....	5
4. STATUS OF AMENDMENTS.....	6
5. SUMMARY OF CLAIMED INVENTION.....	7
6. GROUNDS OF REJECTION TO BE REVIEWED ON APPEAL.....	9
7. ARGUMENT.....	10
8. CLAIMS APPENDIX.....	15
9. EVIDENCE APPENDIX.....	None
10. RELATED PROCEEDINGS APPENDIX.....	None

February 13, 2006
Case No. FR 000029 (7790/353)
Serial No.: 09/817,086
Filed: March 26, 2001
Page 3 of 17

1. REAL PARTY IN INTEREST

The real party in interest is the assignee of record U.S. Philips Corporation, a Delaware corporation having an office and a place of business at 1251 Avenue of the Americas, New York, NY 10020-1104.

February 13, 2006
Case No. FR 000029 (7790/353)
Serial No.: 09/817,086
Filed: March 26, 2001
Page 4 of 17

2. RELATED APPEALS AND INTERFERENCES

Appellant and the undersigned attorney are not aware of any other appeals or interferences which will directly affect or be directly affected by or having a bearing on the Board's decision in the pending appeal.

February 13, 2006
Case No. FR 000029 (7790/353)
Serial No.: 09/817,086
Filed: March 26, 2001
Page 5 of 17

3. STATUS OF CLAIMS

Claims 1-7 are currently pending in the present application, and are the claims on appeal. See, Claims Appendix.

February 13, 2006
Case No. FR 000029 (7790/353)
Serial No.: 09/817,086
Filed: March 26, 2001
Page 6 of 17

4. STATUS OF AMENDMENTS

Appellant did not file an after final request for reconsideration under 37 C.F.R. §1.116 in response to a Final Office Action dated May 24, 2005. A preliminary amendment of claims 5 and 7 were filed concurrently with the application on March 26, 2001, and entered into the record. An amendment of claims 107 in response to a Non-Final Office Action dated December 31, 2003, was filed April 1, 2004, and entered into the record.

February 13, 2006
Case No. FR-000029 (7790/353)
Serial No.: 09/817,086
Filed: March 26, 2001
Page 7 of 17

5. SUMMARY OF THE INVENTION

As illustrated in FIGS. 1 and 2, apparatuses in the form of a pair of mobile radio telephones 1 and 50 of the same type both include a microprocessor 42 and an interface 85 as means for exchanging update data for updating operation software stored within a memory 45 of radio telephone 1. Specifically, updating involves a communication by radio telephone 50 of the update data stored within its memory 45 to the memory 45 of radio telephone 1 via a link/connection 80 whereby operation software previously stored within the memory 45 of radio telephone 1 is updated with the update data from the memory 45 of radio telephone 50. *See, U.S. Patent Application Serial No. 09/817,086 at page 1, lines 10-12; and page 2, line 23 to page 3, line 4.*

As for independent claim 1, an apparatus 1 (FIG. 1) comprises a storage device 45 (FIG. 2) for storing operation software and updating means in the form of a link/connection 80 of interface 85 (FIG. 2) and a microprocessor 42 (FIG. 2) implementing an update receiving method (FIG. 3) for updating the operation software stored within said storage device 45 via an interfacing with another apparatus 50 (FIG. 1) of the same type. *See, U.S. Patent Application Serial No. 09/817,086 at page 1, lines 10-12; and page 2, line 23 to page 3, line 19.*

February 13, 2006
Case No. FR 000029 (7790/353)
Serial No.: 09/817,086
Filed: March 26, 2001
Page 8 of 17

As for independent claim 5, method comprises storing operation software in a first apparatus 1 (FIG. 1) and tapping update data from a second apparatus 50 (FIG. 1) of the same type as the first apparatus 1 to update the operation software in the first apparatus 1 as enabled by the respective update receiving method and update producing method illustrated in FIGS. 3 and 4. These methods teach how to establish the connection between apparatuses 1, 50 to thereby facilitate the transfer of update data between apparatuses 1, 50. See, U.S. Patent Application Serial No. 09/817,086 at page 3, lines 5-19.

As to independent claim 7, a system comprises at least two apparatus 1, 50 (FIG. 1) of the same type. The system further comprises means in the form of a link/connection 80 of interfaces 85 (FIG. 2) of apparatuses 1, 50, a microprocessor 42 (FIG. 2) of apparatus 1 implementing an update receiving method (FIG. 3) and a microprocessor 42 of apparatus 50 implementing an update producing method (FIG. 4) for exchanging update data for updating operation software stored within the first apparatus 1, wherein a second apparatus 50 communicates the update data to the first apparatus 1 and the operation software stored within the first apparatus 1 is updated with the update data. See, U.S. Patent Application Serial No. 09/817,086 at page 1, lines 10-12; and page 2, line 23 to page 3, line 19.

February 13, 2006
Case No. FR 000029 (7790/353)
Serial No.: 09/817,086
Filed: March 26, 2001
Page 9 of 17

6. GROUND OF REJECTION TO BE REVIEWED ON APPEAL

Claims 1-7 stand finally rejected under 35 U.S.C. §112, ¶1 as failing to comply with the written description requirement.

Claims 1, 2 and 5-7 stand finally rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 5,062,132 to *Yasuda* et al. in view of U.S. Patent No. 6,771,317 to *Ellis* et al.

Claims 3 and 4 stand finally rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 5,062,132 to *Yasuda* et al. in view of U.S. Patent No. 6,771,317 to *Ellis* et al. and in further view of U.S. Patent No. 6,285,916 to *Kadaba* et al.

February 13, 2006
Case No. FR 000029 (7790/353)
Serial No.: 09/817,086
Filed: March 26, 2001
Page 10 of 17

7. ARGUMENT

Written Description Rejection. Specifically, Examiner Phu respectfully asserts the specification and abstract does not support the limitation "operation software" as recited in independent claims 1, 5 and 7 in view of the disclosure of PCT WO 97/35453 for updating and modifying the operation software is unsupported, because the Appellant did not incorporate PCT WO 97/35453 by reference in the original specification and Examiner Phu did not find any portion of the specification that is clearly disclosed that Appellant's invention is directly "operation software". The Appellant respectfully disagrees with the aforementioned assertion by Examiner Phu for two reasons.

First, a careful review of the present application reveals the present application was not directed in view of relying on PCT WO 97/35453 to fulfill its written description, best mode and enablement requirements in accordance with 35 U.S.C. §112. Instead, the present application was directed to indicate it was an advancement over PCT WO 97/35453. Thus, there is no need to incorporate PCT WO 97/35453 by reference in the original specification.

February 13, 2006
Case No. FR 000029 (7790/353)
Serial No.: 09/817,086
Filed: March 26, 2001
Page 11 of 17

Second, the original specification clearly states "The invention relates to an apparatus of a certain type comprising a storage device for storing performance data. . . For updating or modifying the operation software of the apparatus, there is proposed in this patent document to utilize a PC type of computer, for example. See, *U.S. Patent Application Serial No. 09/817,086* at page 1, lines 1-12. Clearly, the above underlined statement is a portion of the specification that clearly discloses that the Appellant's invention is directed to operation software. This is further evidenced by the disclosure of the elements (i.e., operation software) that are stored in a flash memory 45 (FIG. 2) for purposes of determining an operation of an apparatus 1 (FIG. 1). See, *U.S. Patent Application Serial No. 09/817,086* at page 2, lines 18-30.

Withdrawal of the rejection of claims 1-7 under 35 U.S.C. §112, ¶1 as failing to comply with the written description requirement is therefore respectfully requested.

Obviousness Rejections. To establish a *prima facie* case of obviousness, three basic criteria must be met. First, there must be some suggestion or motivation, either in the references themselves or in the knowledge generally available to one of ordinary skill in the art, to modify the reference or to combine reference teachings. Second, there must be a reasonable expectation of success. Finally, the prior art reference (or references when combined) must teach or suggest all the claim limitations. See, MPEP §2143.

February 13, 2006
Case No. FR 000029 (7790/353)
Serial No.: 09/817,086
Filed: March 26, 2001
Page 12 of 17

The Appellant respectfully asserts that Examiner Phu has failed to establish a prima facie case of obviousness in view of the fact that there is no suggestion or modification to *modify Yasuda* in view of *Ellis* as proposed by Examiner Phu.

Specifically, as illustrated in FIGS. 1 and 2, *Yasuda* teaches an operation of a predetermined key of a handset unit 1A to transfer non-performance data (e.g., phone numbers) stored in a memory 9 incorporated within handset unit 1A to a memory 9 incorporated within a handset unit 1B whereby the non-performance data that was manually inputted for storage in memory 9 of handset unit 1A can be copied to memory 9 of handset unit 1B with an elimination of the requirement to manually input the same non-performance data into handset unit 1B. See, *Yasuda* at Abstract; column 1, line 67 to column 2, line 11; column 2, line 66 to column 3, line 2; column 3, lines 59-68; column 5, lines 39-50; and column 6, lines 4-19; and column 6, lines 48-61. Thus, at the time of the present invention, one having ordinary skill in the art would have understood the teachings of *Yasuda* were exclusively directed to transferring non-performance data manually inputted by anyone (e.g., a software novice or a software expert) into handset unit 1A to unit handset 1B to thereby eliminate a need for a manual input of non-performance data into handset unit 1B. Conversely, at the time of the present invention, one having ordinary skill in the art would have understood the teachings of *Yasuda* were directed away from transferring performance data (e.g., software of *Ellis*) manually inputted by a software expert into handset unit 1A to handset unit 1B to thereby eliminate a need for a manual input of performance data into handset unit 1B, because it would be

February 13, 2006
Case No. FR 000029 (7790/353)
Serial No.: 09/817,086
Filed: March 26, 2001
Page 13 of 17

have been impossible for a software expert to manually input performance data into handset unit 1A. Thus, there is no motivation or suggestion to modify *Yasuda* to include an "updating means for updating the operation software stored within said storage device via an interfacing with another apparatus of the same type" as recited in independent claim 1, "tapping update data from a second apparatus of the same type as the first apparatus to update the operation software in the first apparatus" as recited in independent claim 5, and "means for exchanging update data for updating operation software stored within a first apparatus, wherein a second apparatus communicates the update data to the first apparatus and the operation software stored within the first apparatus is updated with the update data" are recited in independent claim 7.

Withdrawal of the rejection of claims 1, 2 and 5-7 under §103(a) as being patentable over *Yasuda* in view of *Ellis* is therefore respectfully requested.

Claims 3 and 4 depend from independent claim 1. Therefore, dependent claims 3 and 4 include all of the elements and limitations of independent claim 1. It is therefore respectfully submitted by the Appellant that dependent claims 3 and 4 are allowable over *Yasuda* in view of *Ellis* and in further view of *Kadaba* for at least the same reason as set forth with respect to independent claim 1 being allowable over *Yasuda* in view of *Ellis*. Withdrawal of the rejection of dependent claims 3 and 4 under U.S.C. §103(a) as being patentable over *Yasuda* in view of *Ellis* and in further view of *Kadaba* is therefore respectfully requested.

February 13, 2006
Case No. FR 000029 (7790/353)
Serial No.: 09/817,086
Filed: March 26, 2001
Page 14 of 17

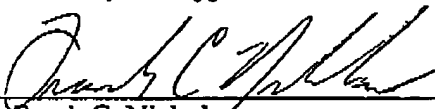
Dated: February 13, 2006

Respectfully submitted,

PHILIPS INTELLECTUAL PROPERTY
& STANDARDS
P.O. Box 3001
Briarcliff, New York 10510

Jack D. Slobod
Registration No. 26,236
Attorney for Appellant

CARDINAL LAW GROUP
Suite 2000
1603 Orrington Avenue
Evanston, Illinois 60201
Phone: (847) 905-7111
Fax: (847) 905-7113


Frank C. Nicholas
Registration No. 33,983
Attorney for Appellant

February 13, 2006
Case No. FR 000029 (7790/353)
Serial No.: 09/817,086
Filed: March 26, 2001
Page 15 of 17

CLAIMS APPENDIX

1. An apparatus of a certain type, comprising:
a storage device for storing operation software; and
updating means for updating the operation software stored within said storage device via an interfacing with another apparatus of the same type.
2. The apparatus as claimed in claim 1, wherein said updating means are formed by a serial wire link.
3. The apparatus as claimed in claim 1, wherein said updating means are formed by an infrared link.
4. The apparatus as claimed in claim 1, wherein said updating means are formed by a radio link of the type "Blue Tooth".
5. A method, comprising:
storing operation software in a first apparatus; and
tapping update data from a second apparatus of the same type as the first apparatus to update the operation software in the first apparatus.

February 13, 2006
Case No. FR 000029 (7790/353)
Serial No.: 09/817,086
Filed: March 26, 2001
Page 16 of 17

6. The method as claimed in claim 5, wherein tapping update data from a second apparatus of the same type as the first apparatus to update the operation software in the first apparatus includes:

preparing the second apparatus for producing the update data;
preparing the first apparatus for receiving the update data;
transferring the update data from the second apparatus to the first apparatus; and
writing update data in the storage device of the first apparatus.

7. A system, comprising:
at least two apparatus of the same type; and
means for exchanging update data for updating operation software stored within a first apparatus, wherein a second apparatus communicates the update data to the first apparatus and the operation software stored within the first apparatus is updated with the update data.

February 13, 2006
Case No.-FR 000029 (7790/353)
Serial No.: 09/817,086
Filed: March 26, 2001
Page 17 of 17

EVIDENCE APPENDIX

None.

RELATED PROCEEDINGS APPENDIX

None.

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☒ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.